

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN030124\
 Data File : VN081281.D
 Acq On : 01 Mar 2024 13:32
 Operator : JC\MD
 Sample : PB153949ZHE#03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#03

Quant Time: Mar 01 22:16:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N021624W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 16 23:45:20 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

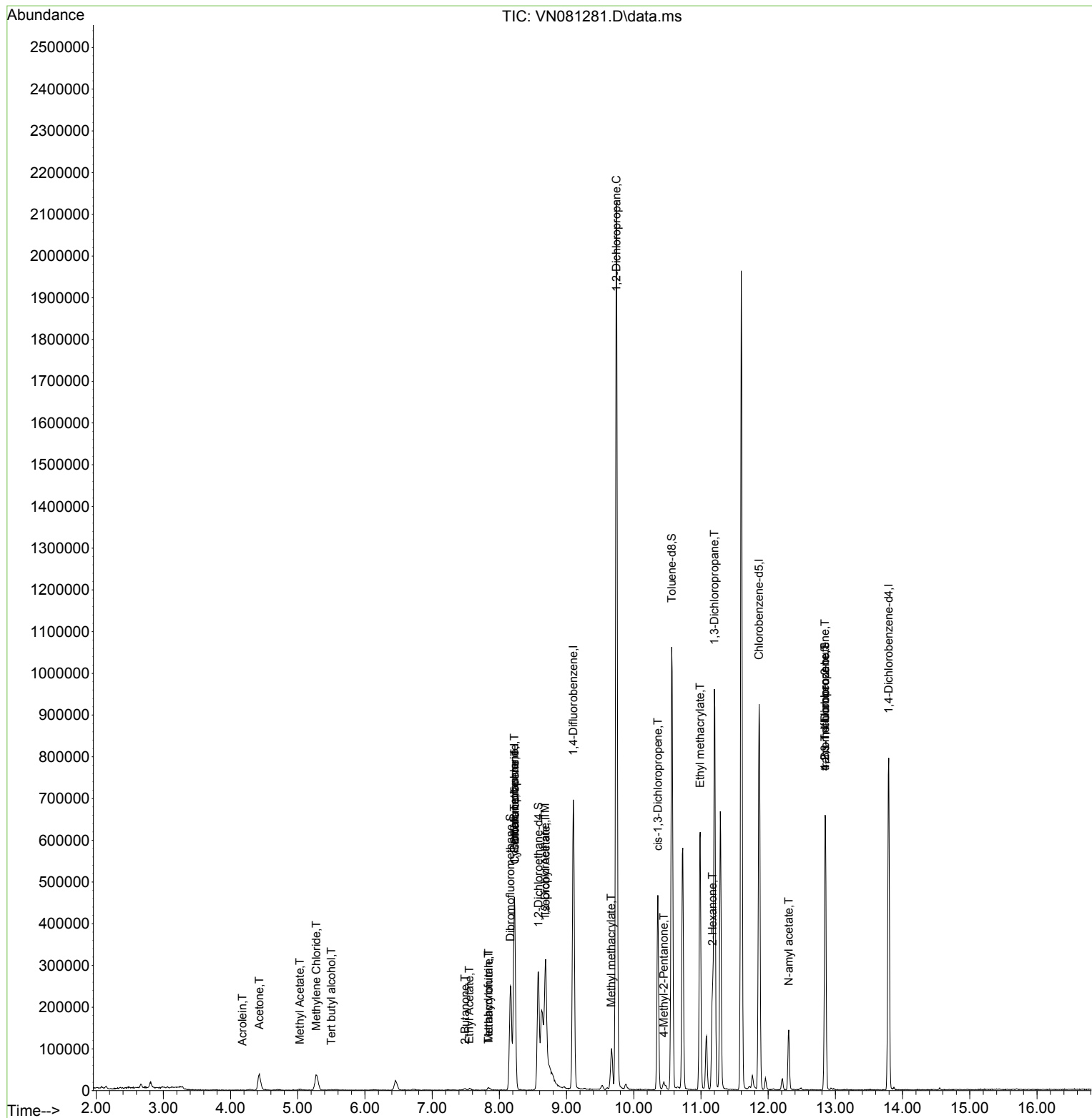
Internal Standards						
1) Pentafluorobenzene	8.224	168	312217	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	588434	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	529122	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	205451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	226076	59.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.160%			
35) Dibromofluoromethane	8.165	113	184363	55.407	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.820%			
50) Toluene-d8	10.565	98	718087	60.762	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 121.520%#			
62) 4-Bromofluorobenzene	12.847	95	226843	51.083	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.160%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	630	Below Cal	#	43
6) Chloroethane	3.112	64	134	Below Cal	#	42
11) Tert butyl alcohol	5.500	59	694	0.986	ug/l #	72
13) Acrolein	4.177	56	376	0.997	ug/l	94
16) Acetone	4.430	43	72907	48.417	ug/l	94
18) Methyl Acetate	5.030	43	4247	1.156	ug/l #	76
20) Methylene Chloride	5.277	84	30569	7.049	ug/l	88
25) 2-Butanone	7.489	43	6338	2.605	ug/l #	90
29) Tetrahydrofuran	7.836	42	4828	2.973	ug/l	92
31) Cyclohexane	8.230	56	8353	1.264	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	28571	5.012	ug/l #	50
37) Ethyl Acetate	7.553	43	6029	1.172	ug/l #	94
38) Carbon Tetrachloride	8.224	117	35907	6.226	ug/l #	18
41) Methacrylonitrile	7.841	41	2875	0.982	ug/l #	46
42) 1,2-Dichloroethane	8.683	62	2067	0.359	ug/l #	75
43) Isopropyl Acetate	8.688	43	435948	48.450	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	2552	0.618	ug/l #	42
48) Methyl methacrylate	9.665	41	6228	1.488	ug/l #	46
49) 1,4-Dioxane	9.718	88	81	Below Cal	#	18
51) 4-Methyl-2-Pentanone	10.447	43	8979	1.735	ug/l #	65
54) cis-1,3-Dichloropropene	10.359	75	80454	11.765	ug/l #	63
56) Ethyl methacrylate	10.988	69	2447	0.399	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	9881	1.422	ug/l #	43
59) 2-Hexanone	11.171	43	194527	47.404	ug/l #	26
74) N-amyl acetate	12.306	43	42459	5.589	ug/l #	55
76) 1,2,3-Trichloropropane	12.847	75	126476	27.094	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	126476	69.739	ug/l #	14

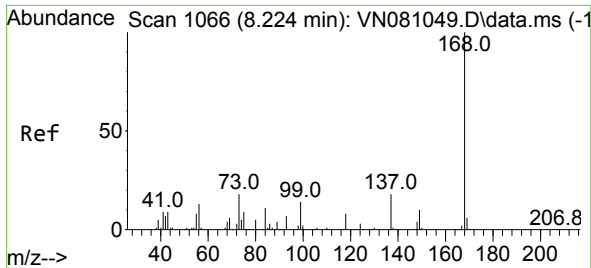
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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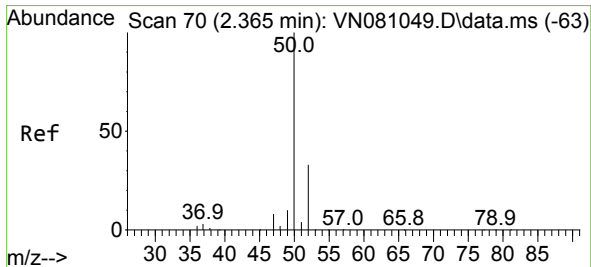
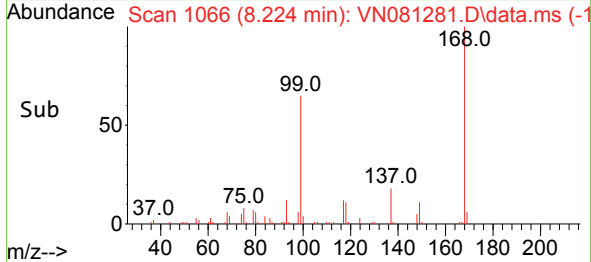
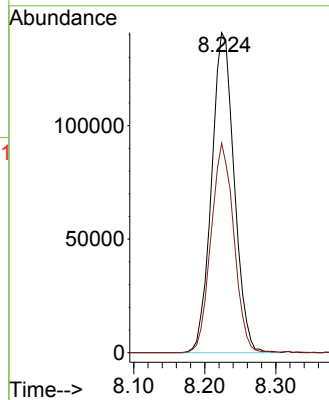
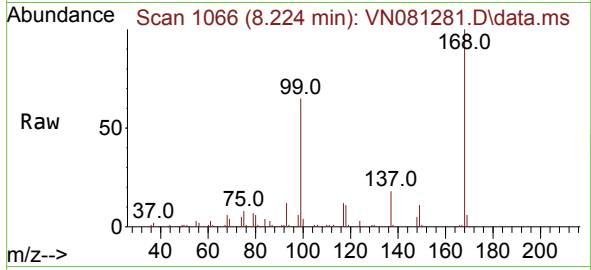




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

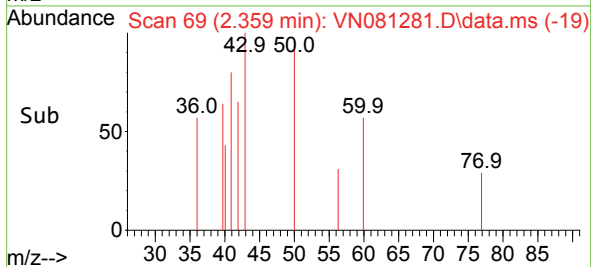
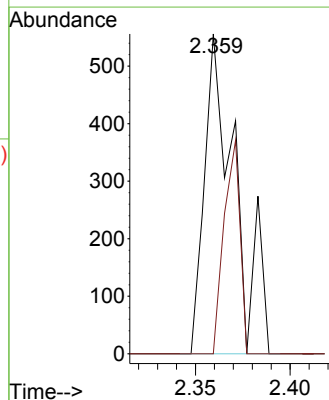
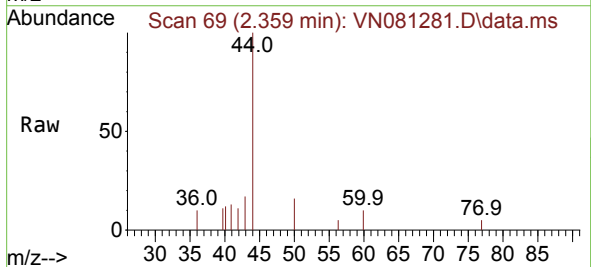
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

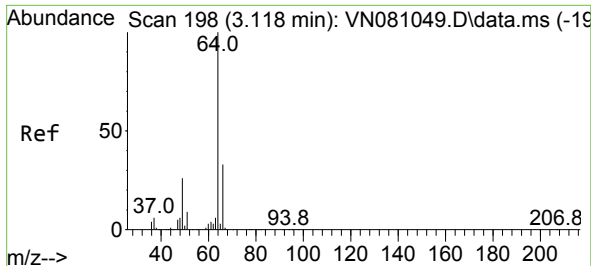
Tgt Ion:168 Resp: 312217
Ion Ratio Lower Upper
168 100
99 65.4 59.9 89.9



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. -0.006 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 50 Resp: 630
Ion Ratio Lower Upper
50 100
52 0.0 25.0 37.4#

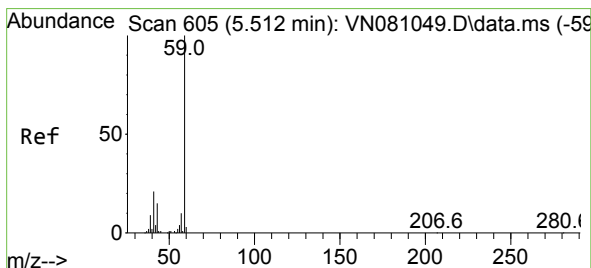
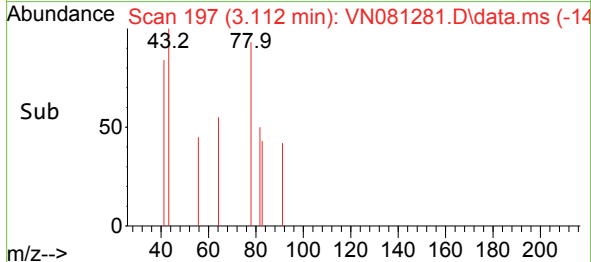
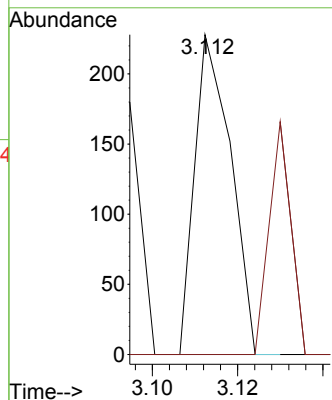
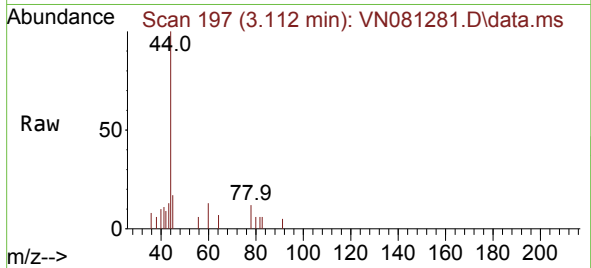




#6
Chloroethane
Concen: Below Cal
RT: 3.112 min Scan# 198
Delta R.T. -0.006 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

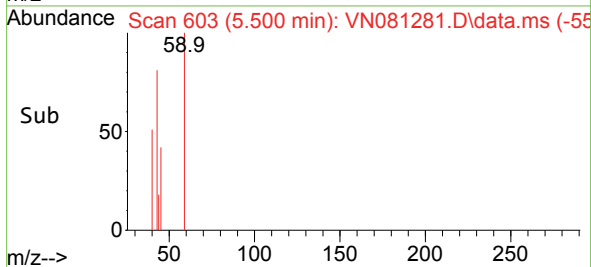
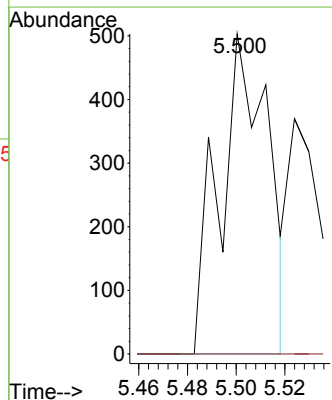
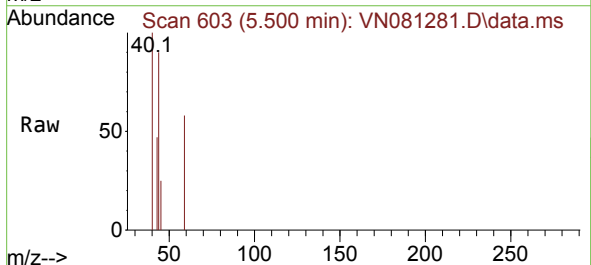
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

Tgt Ion: 64 Resp: 134
Ion Ratio Lower Upper
64 100
66 0.0 26.4 39.6#



#11
Tert butyl alcohol
Concen: 0.986 ug/l
RT: 5.500 min Scan# 603
Delta R.T. -0.012 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 59 Resp: 694
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

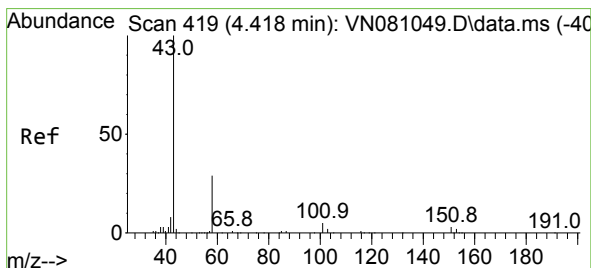
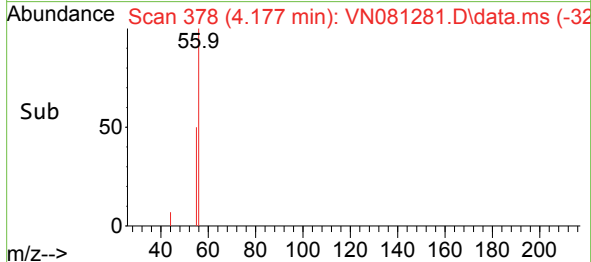
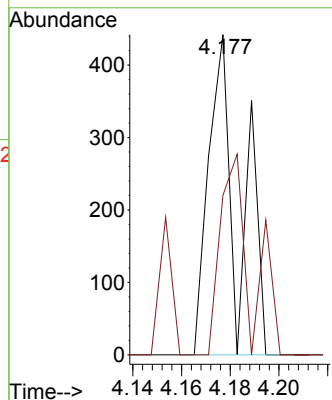
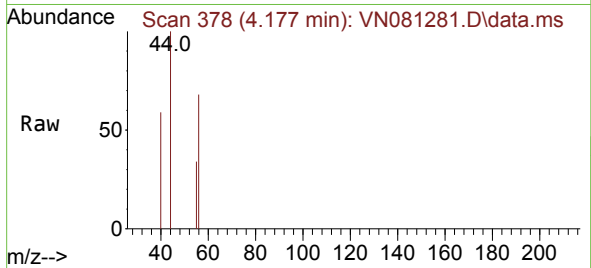




#13
Acrolein
Concen: 0.997 ug/l
RT: 4.177 min Scan# 31
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

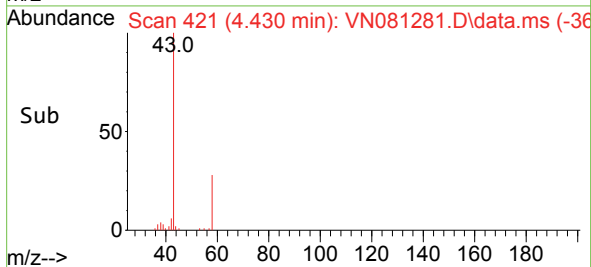
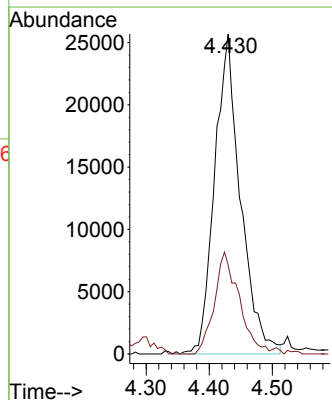
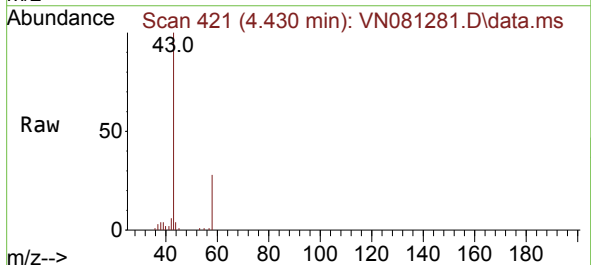
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

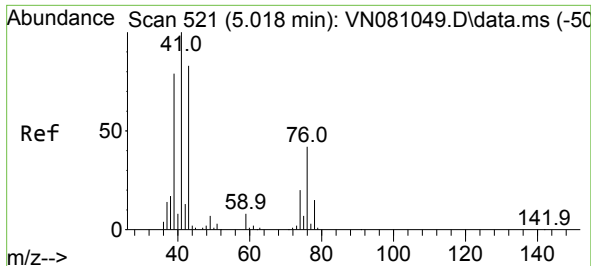
Tgt Ion: 56 Resp: 376
Ion Ratio Lower Upper
56 100
55 64.1 55.3 82.9



#16
Acetone
Concen: 48.417 ug/l
RT: 4.430 min Scan# 421
Delta R.T. 0.012 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 43 Resp: 72907
Ion Ratio Lower Upper
43 100
58 27.7 24.8 37.2

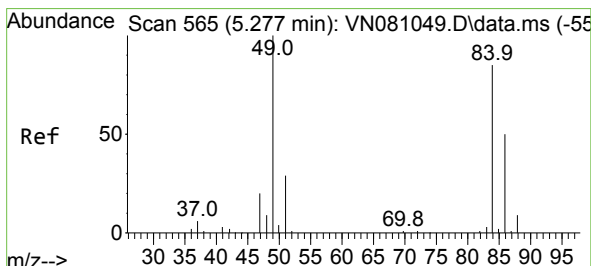
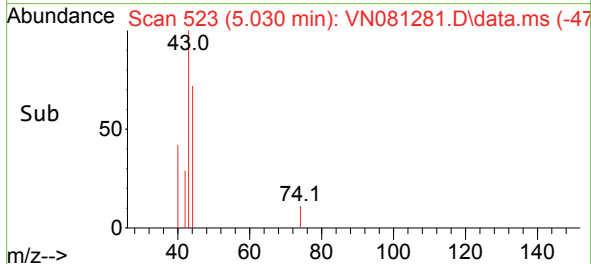
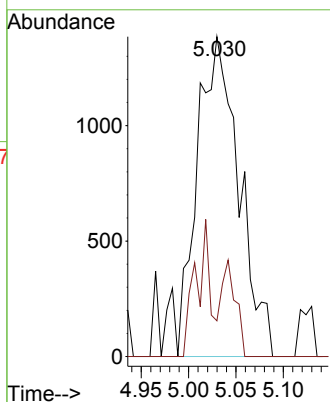
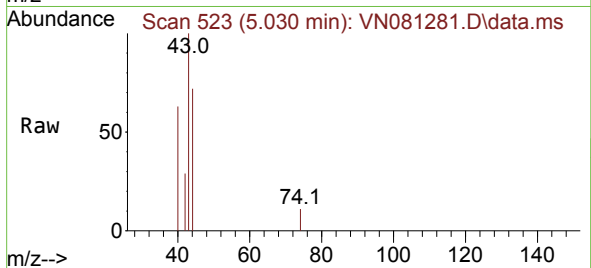




#18
Methyl Acetate
Concen: 1.156 ug/l
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

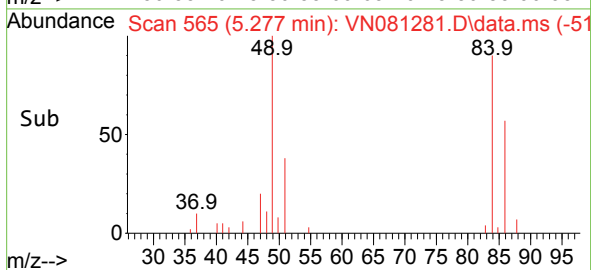
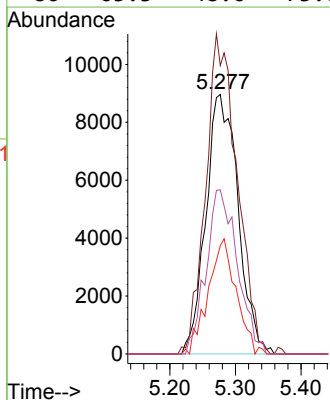
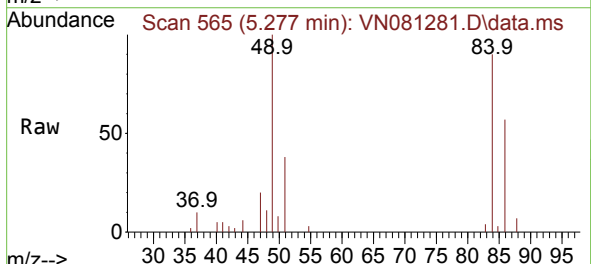
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

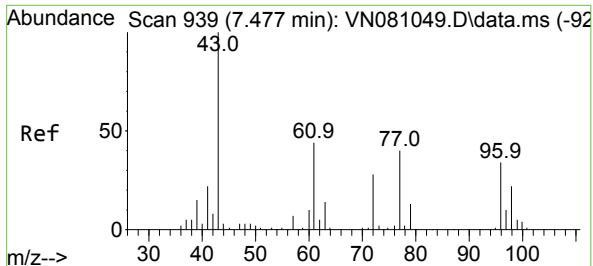
Tgt Ion: 43 Resp: 4247
Ion Ratio Lower Upper
43 100
74 10.0 17.3 25.9#



#20
Methylene Chloride
Concen: 7.049 ug/l
RT: 5.277 min Scan# 565
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 84 Resp: 30569
Ion Ratio Lower Upper
84 100
49 111.2 108.1 162.1
51 41.7 32.9 49.3
86 63.3 48.6 73.0





#25

2-Butanone

Concen: 2.605 ug/l

RT: 7.489 min Scan# 941

Delta R.T. 0.012 min

Lab File: VN081281.D

Acq: 01 Mar 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

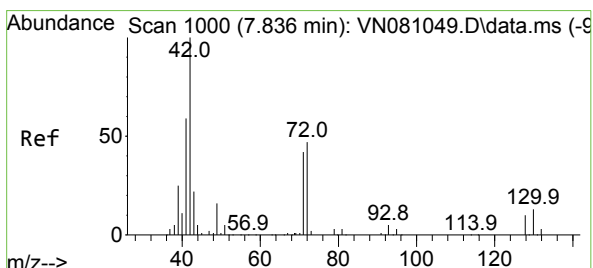
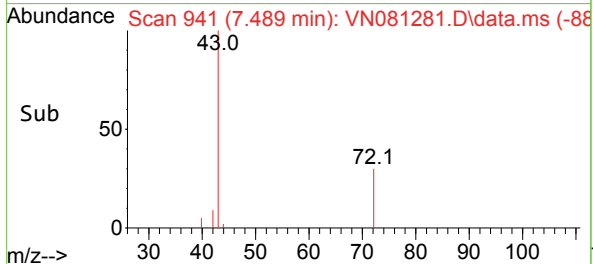
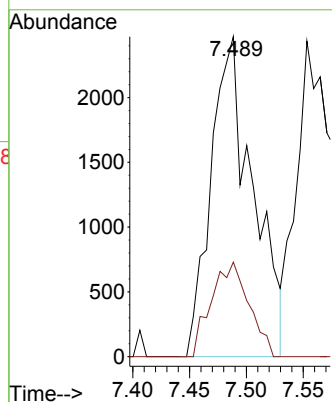
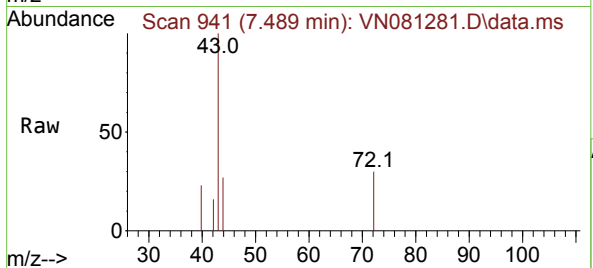
PB153949ZHE#03

Tgt Ion: 43 Resp: 6338

Ion Ratio Lower Upper

43 100

72 29.6 19.5 29.3#



#29

Tetrahydrofuran

Concen: 2.973 ug/l

RT: 7.836 min Scan# 1000

Delta R.T. -0.000 min

Lab File: VN081281.D

Acq: 01 Mar 2024 13:32

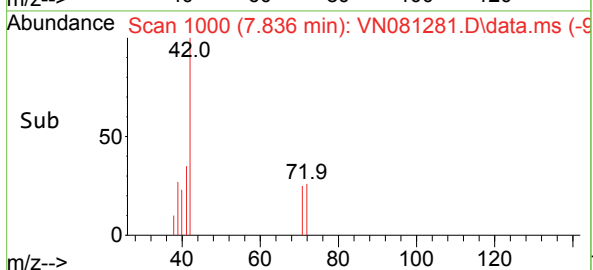
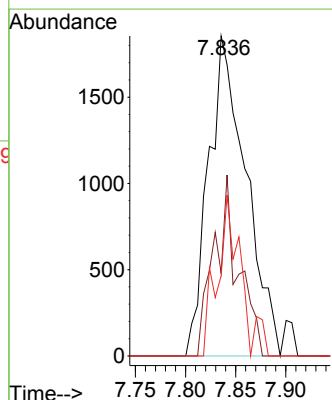
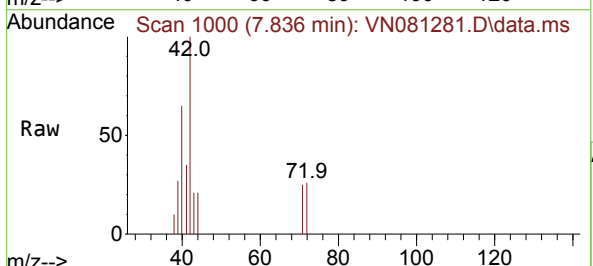
Tgt Ion: 42 Resp: 4828

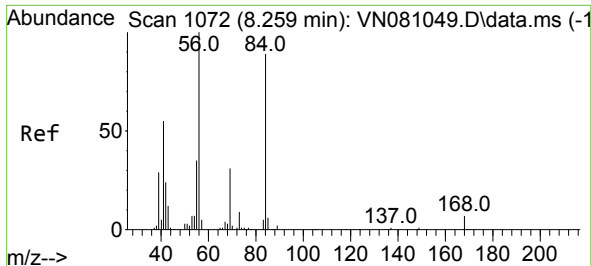
Ion Ratio Lower Upper

42 100

72 36.6 31.1 46.7

71 28.4 28.3 42.5

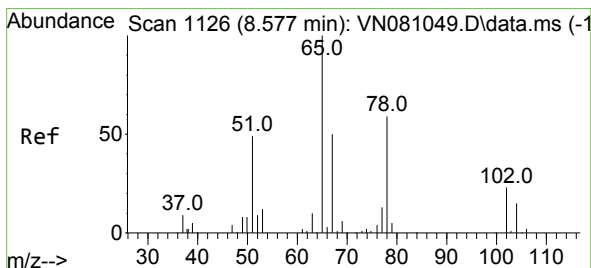
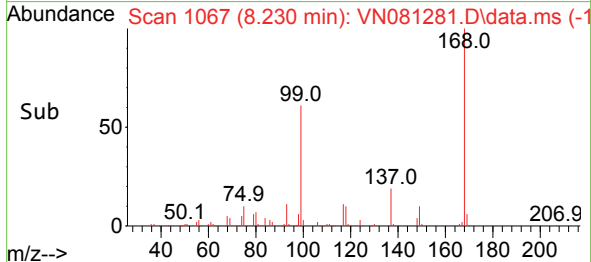
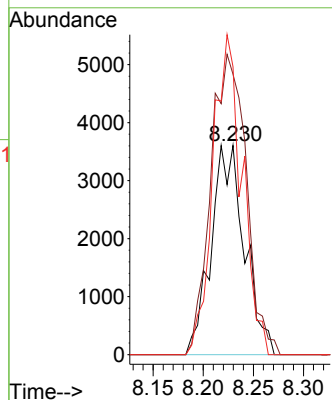
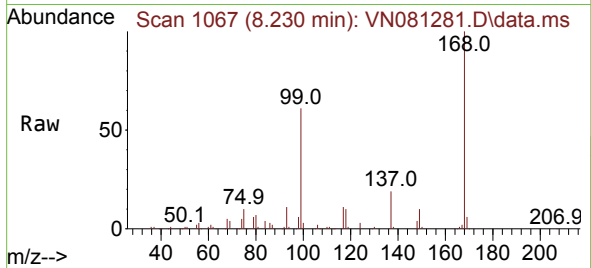




#31
Cyclohexane
Concen: 1.264 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.029 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

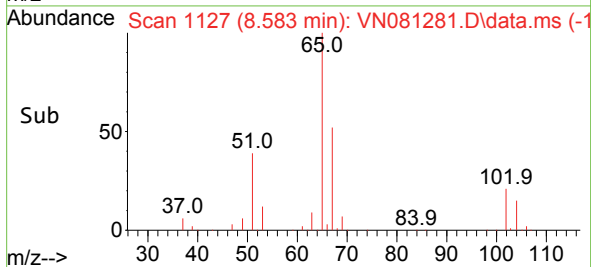
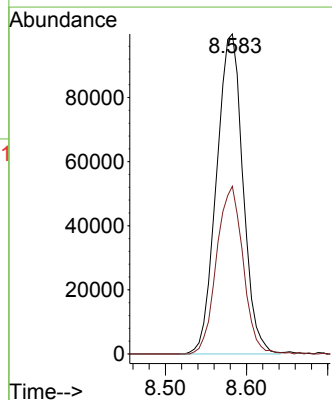
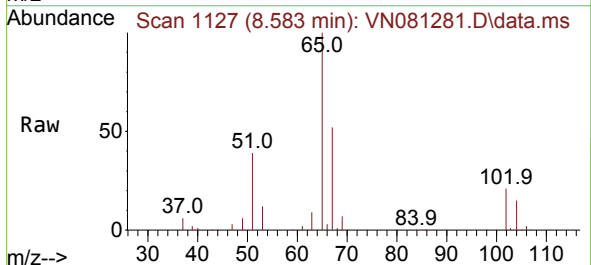
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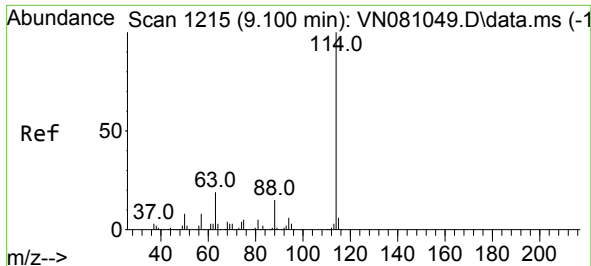
Tgt Ion: 56 Resp: 8353
Ion Ratio Lower Upper
56 100
69 134.0 20.1 30.1#
84 137.6 56.9 85.3#



#33
1,2-Dichloroethane-d4
Concen: 59.075 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 65 Resp: 226076
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.4

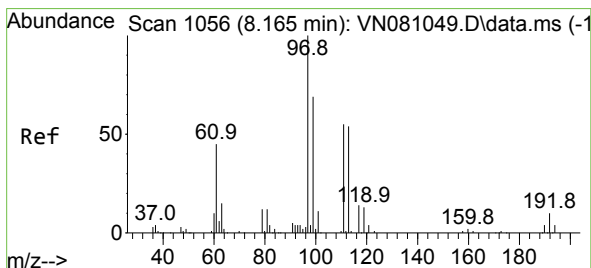
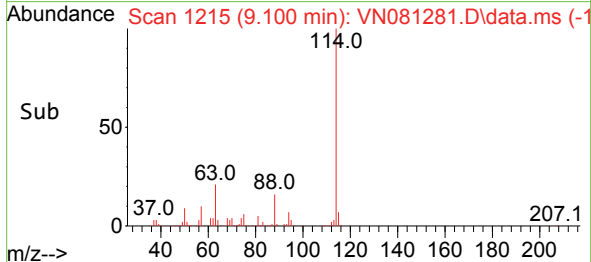
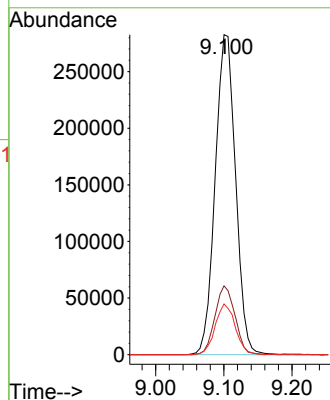
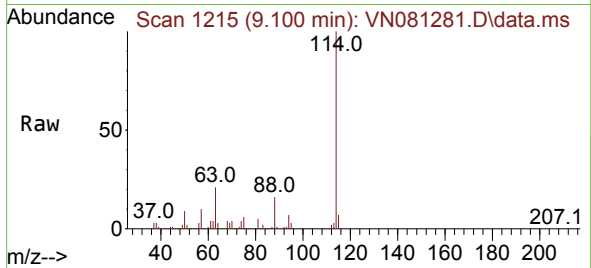




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

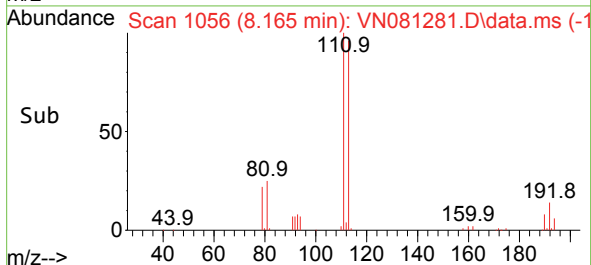
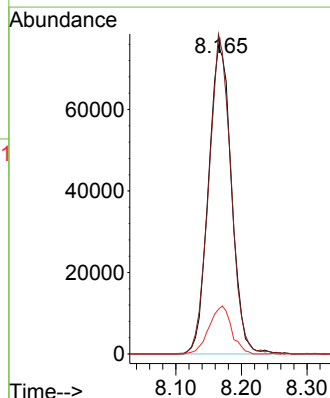
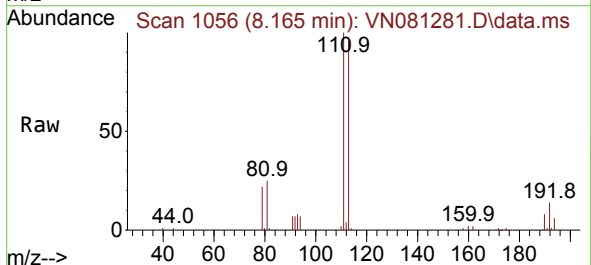
Instrument :
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ClientSampleId :
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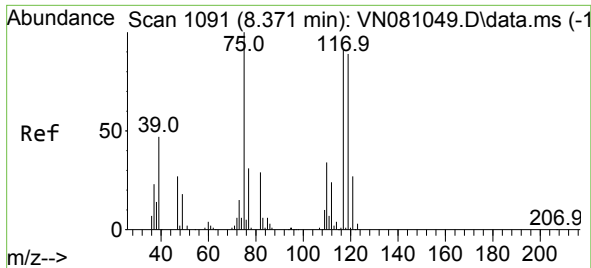
Tgt Ion:114 Resp: 588434
Ion Ratio Lower Upper
114 100
63 21.5 0.0 48.0
88 15.8 0.0 34.8



#35
Dibromofluoromethane
Concen: 55.407 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion:113 Resp: 184363
Ion Ratio Lower Upper
113 100
111 99.9 82.2 123.4
192 15.2 12.5 18.7

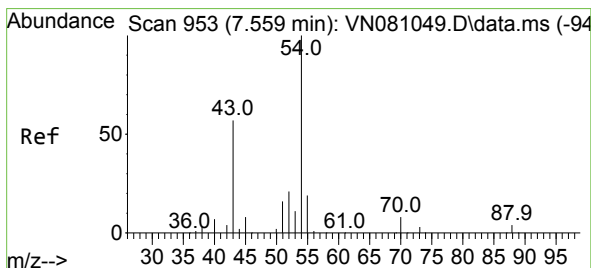
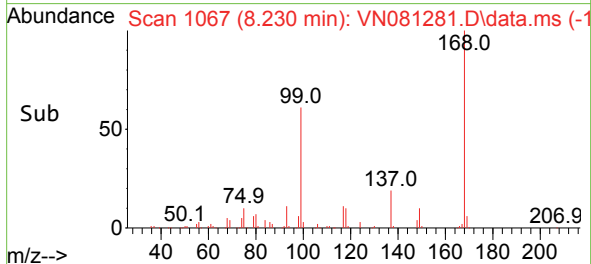
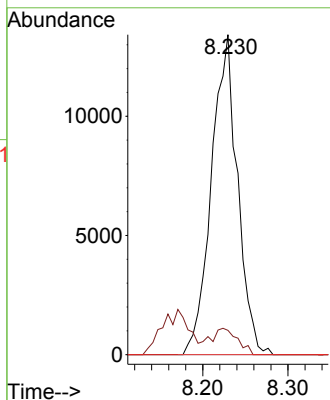
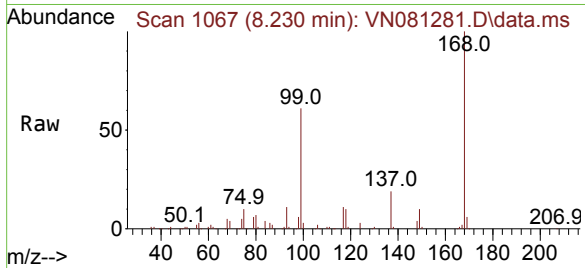




#36
 1,1-Dichloropropene
 Concen: 5.012 ug/l
 RT: 8.230 min Scan# 1091
 Delta R.T. -0.141 min
 Lab File: VN081281.D
 Acq: 01 Mar 2024 13:32

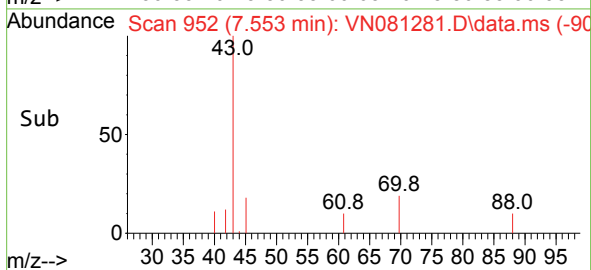
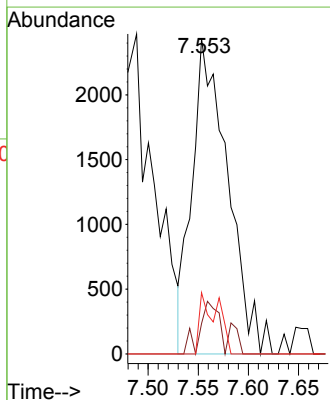
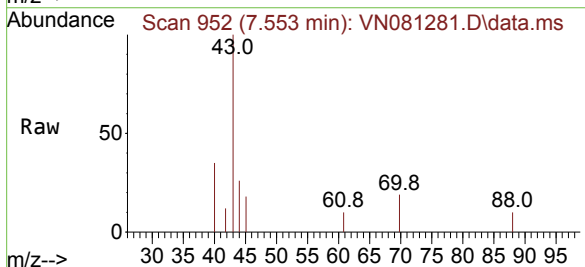
Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#03

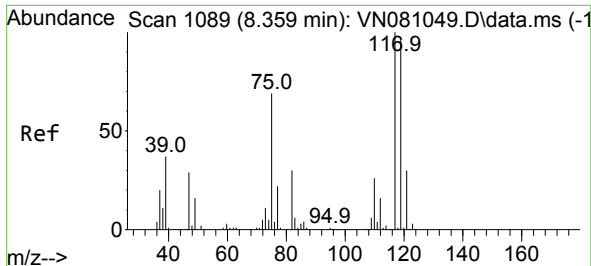
Tgt Ion: 75 Resp: 28571
 Ion Ratio Lower Upper
 75 100
 110 8.1 16.0 48.0#
 77 0.0 25.8 38.6#



#37
 Ethyl Acetate
 Concen: 1.172 ug/l
 RT: 7.553 min Scan# 952
 Delta R.T. -0.006 min
 Lab File: VN081281.D
 Acq: 01 Mar 2024 13:32

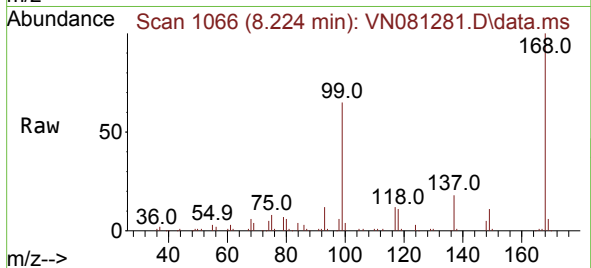
Tgt Ion: 43 Resp: 6029
 Ion Ratio Lower Upper
 43 100
 61 8.8 10.6 15.8#
 70 9.9 8.0 12.0



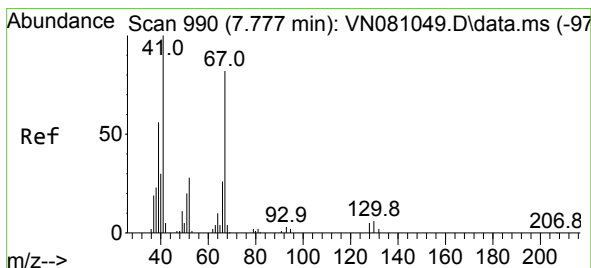
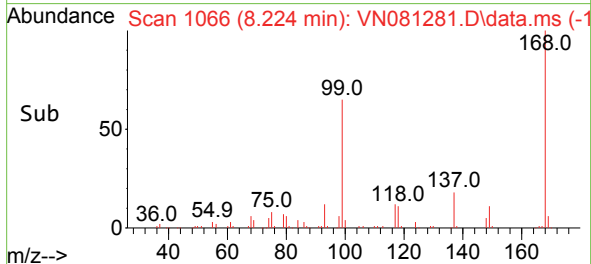
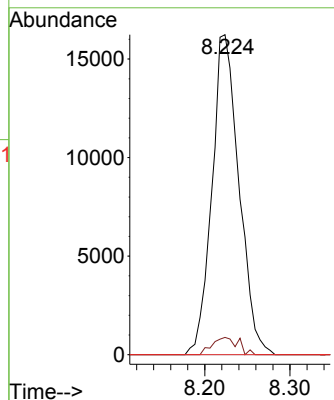


#38
Carbon Tetrachloride
Concen: 6.226 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.135 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

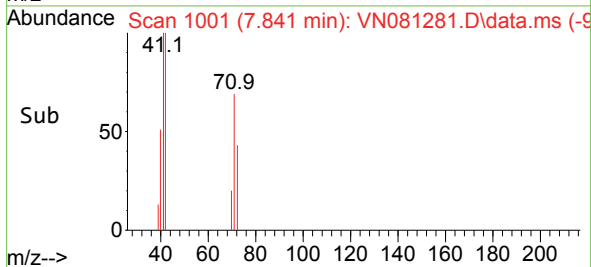
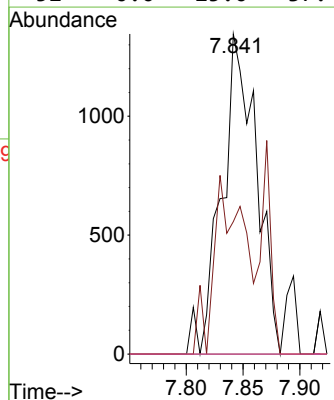
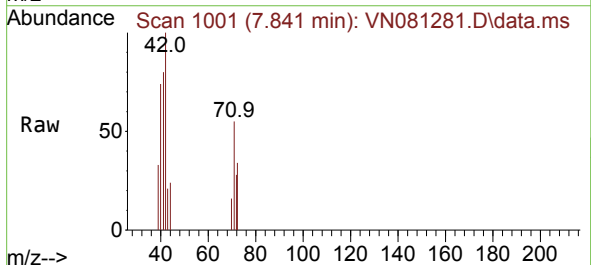


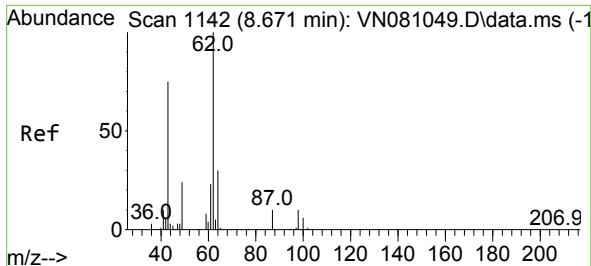
Tgt Ion:117 Resp: 35907
Ion Ratio Lower Upper
117 100
119 5.4 73.4 110.2#
121 0.0 24.4 36.6#



#41
Methacrylonitrile
Concen: 0.982 ug/l
RT: 7.841 min Scan# 1001
Delta R.T. 0.065 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 41 Resp: 2875
Ion Ratio Lower Upper
41 100
39 48.0 48.4 72.6#
67 0.0 56.8 85.2#
52 0.0 25.0 37.4#





#42

1,2-Dichloroethane

Concen: 0.359 ug/l

RT: 8.683 min Scan# 1144

Delta R.T. 0.012 min

Lab File: VN081281.D

Acq: 01 Mar 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

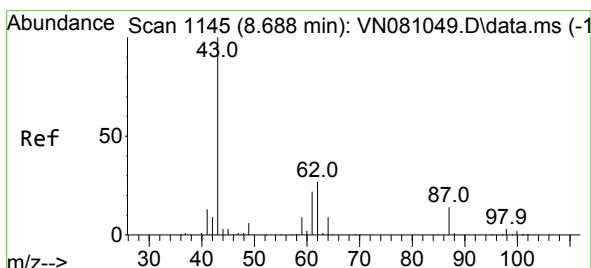
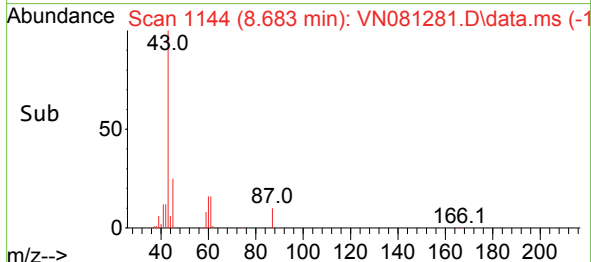
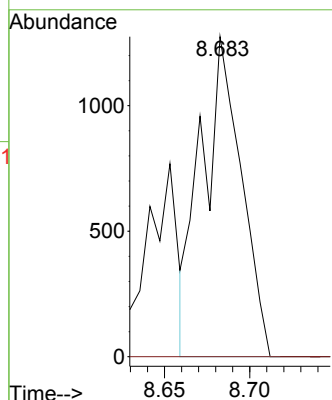
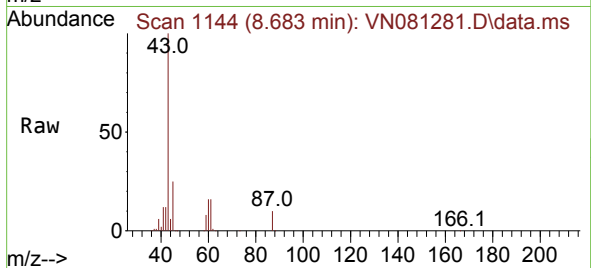
PB153949ZHE#03

Tgt Ion: 62 Resp: 2067

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.0



#43

Isopropyl Acetate

Concen: 48.450 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. -0.000 min

Lab File: VN081281.D

Acq: 01 Mar 2024 13:32

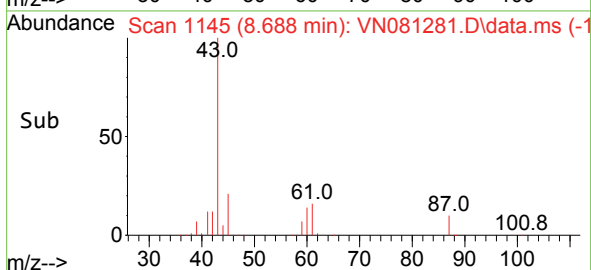
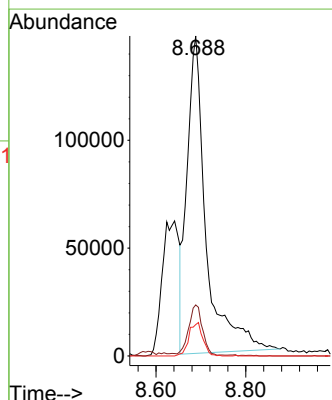
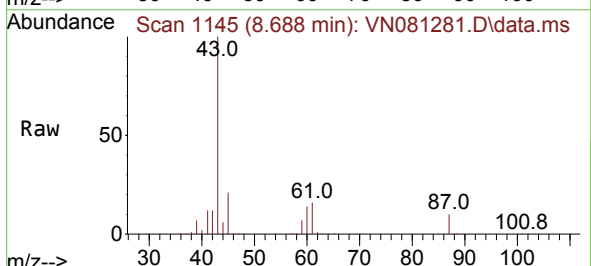
Tgt Ion: 43 Resp: 435948

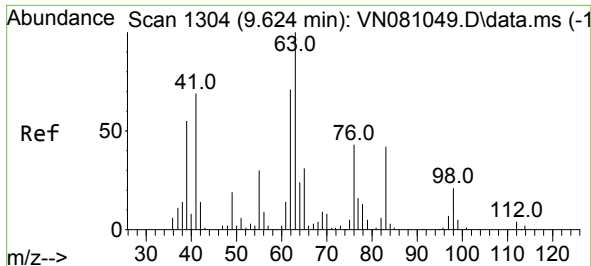
Ion Ratio Lower Upper

43 100

61 11.4 19.9 29.9#

87 7.6 9.0 13.6#





#45

1,2-Dichloropropane

Concen: 0.618 ug/l

RT: 9.741 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN081281.D

Acq: 01 Mar 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

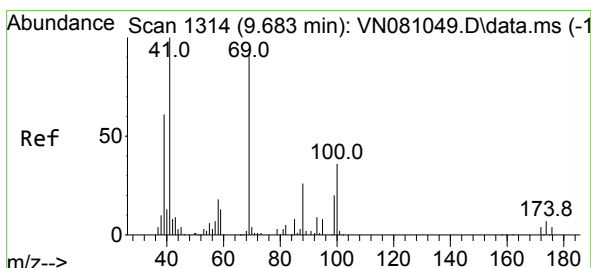
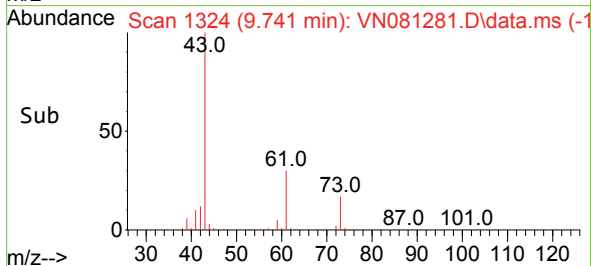
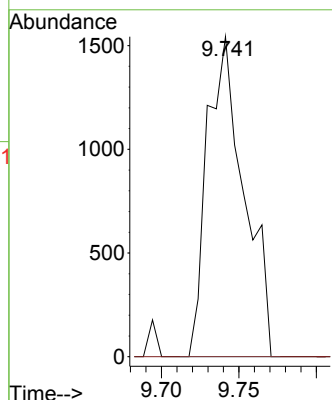
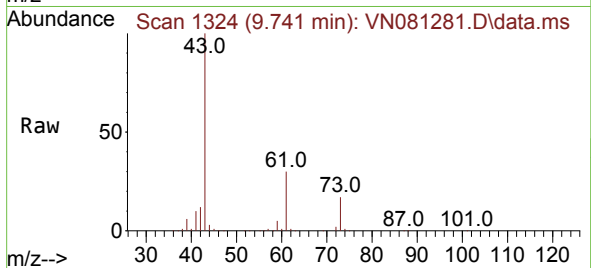
PB153949ZHE#03

Tgt Ion: 63 Resp: 2552

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.488 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN081281.D

Acq: 01 Mar 2024 13:32

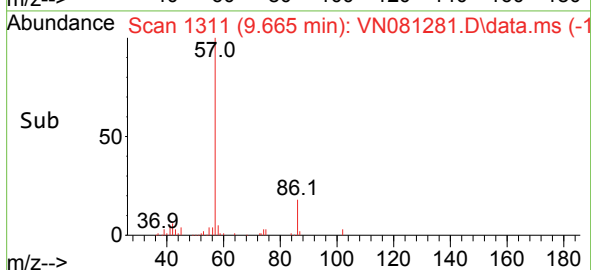
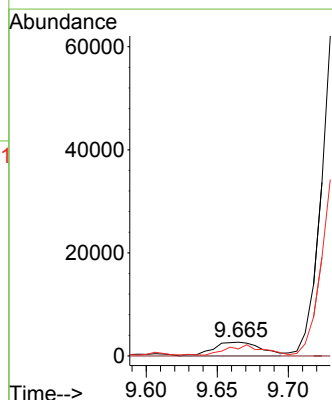
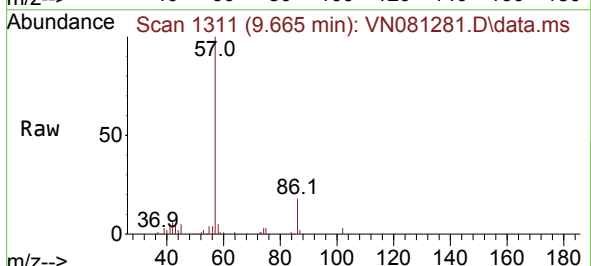
Tgt Ion: 41 Resp: 6228

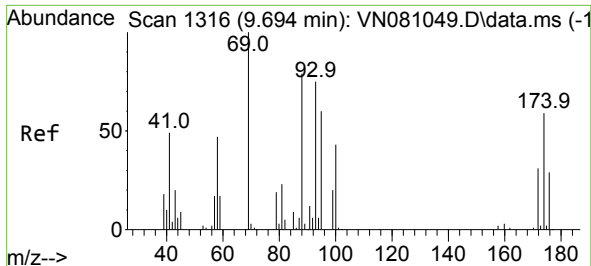
Ion Ratio Lower Upper

41 100

69 0.0 62.2 93.2#

39 54.6 47.6 71.4





#49

1,4-Dioxane

Concen: Below Cal

RT: 9.718 min Scan# 1

Delta R.T. 0.024 min

Lab File: VN081281.D

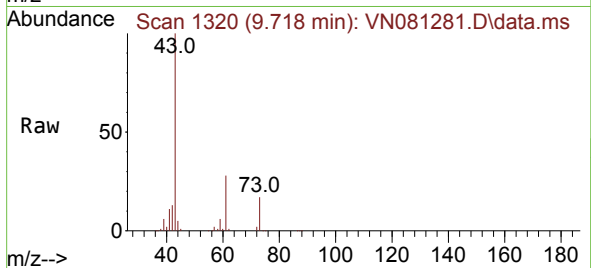
Acq: 01 Mar 2024 13:32

Instrument :

MSVOA_N

ClientSampleId :

PB153949ZHE#03



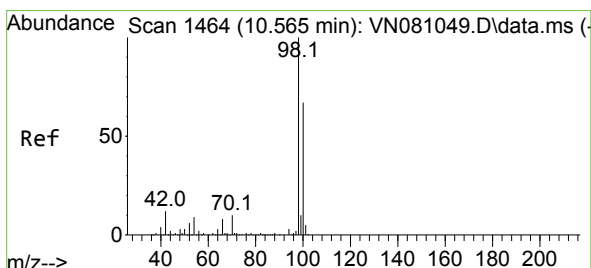
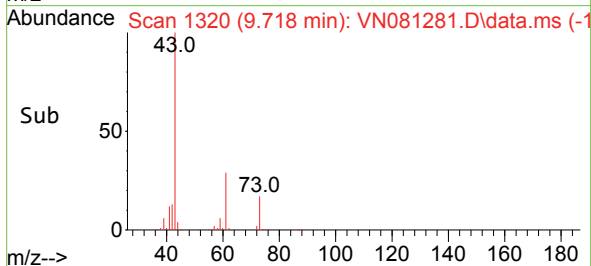
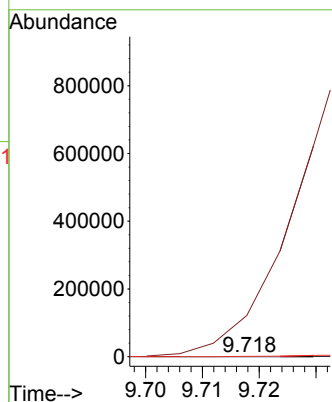
Tgt Ion: 88 Resp: 81

Ion Ratio Lower Upper

88 100

43 0.0 30.1 45.1#

58 0.0 63.9 95.9#



#50

Toluene-d8

Concen: 60.762 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN081281.D

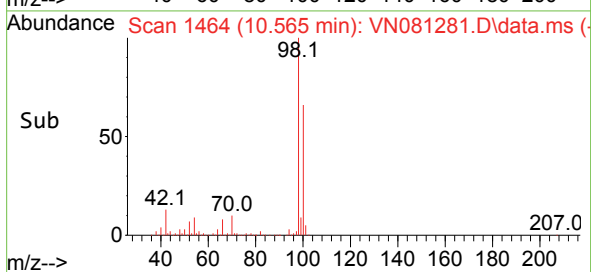
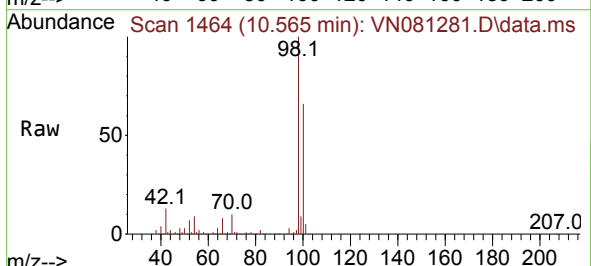
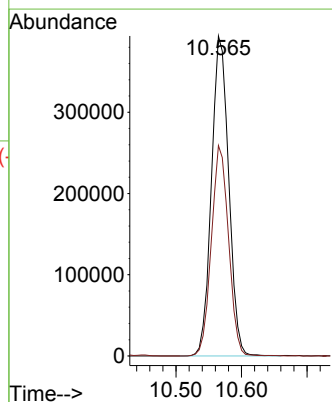
Acq: 01 Mar 2024 13:32

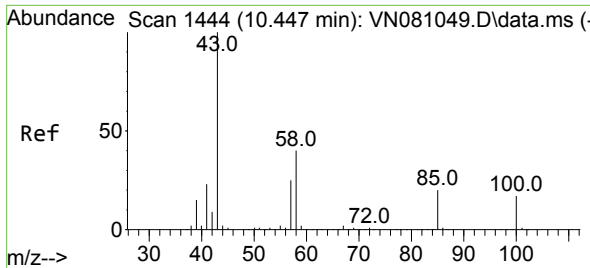
Tgt Ion: 98 Resp: 718087

Ion Ratio Lower Upper

98 100

100 65.5 51.4 77.0

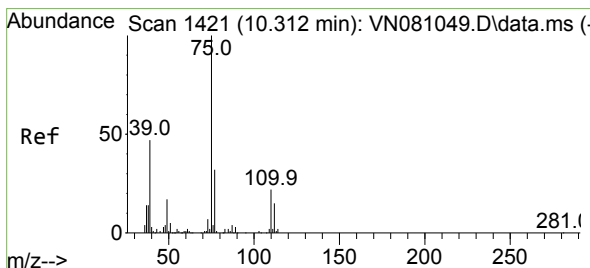
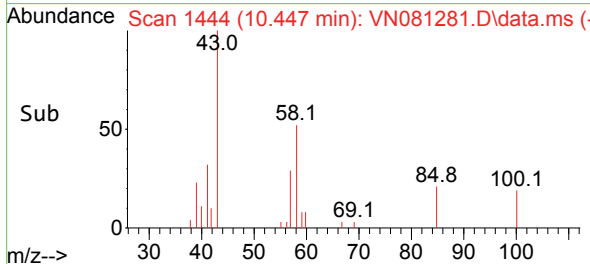
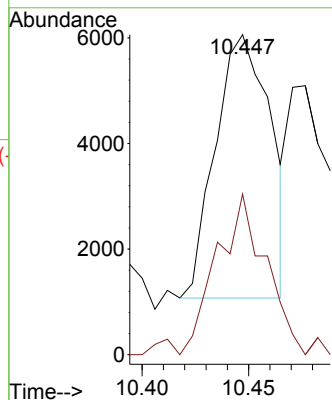
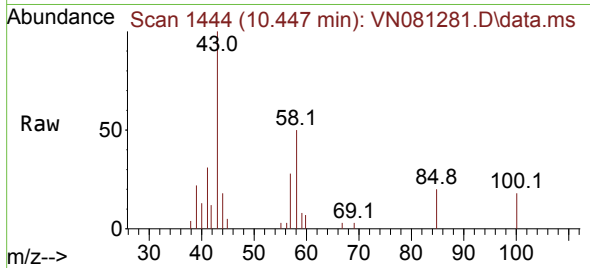




#51
4-Methyl-2-Pentanone
Concen: 1.735 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

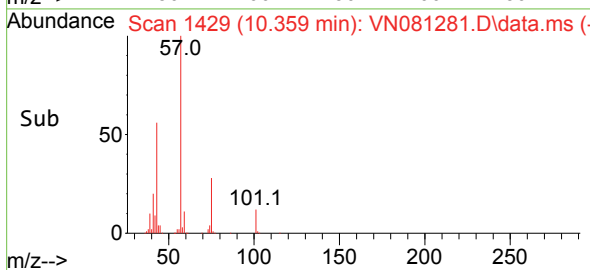
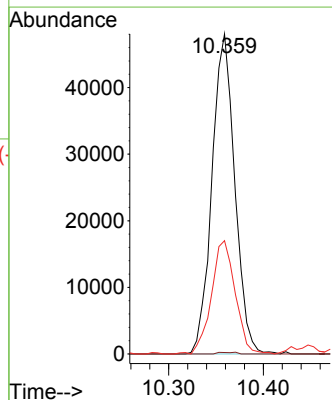
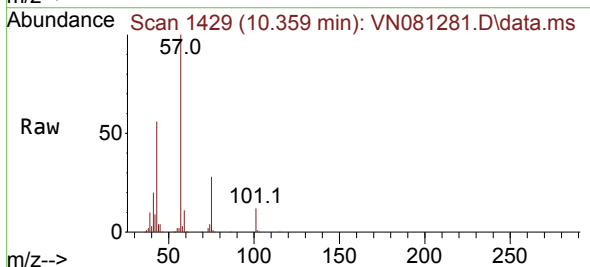
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

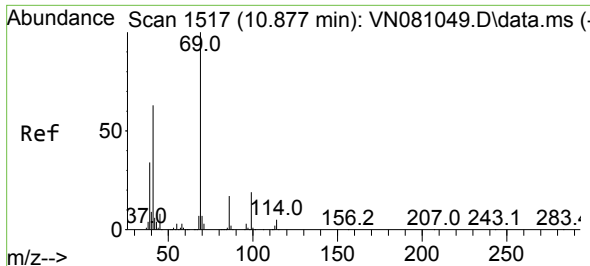
Tgt Ion: 43 Resp: 8979
Ion Ratio Lower Upper
43 100
58 57.3 29.4 44.0#



#54
cis-1,3-Dichloropropene
Concen: 11.765 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.047 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 75 Resp: 80454
Ion Ratio Lower Upper
75 100
77 0.4 23.3 34.9#
39 35.0 44.6 66.8#

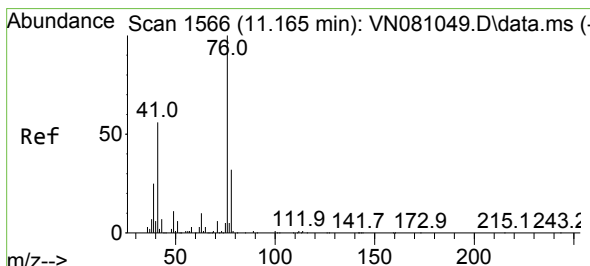
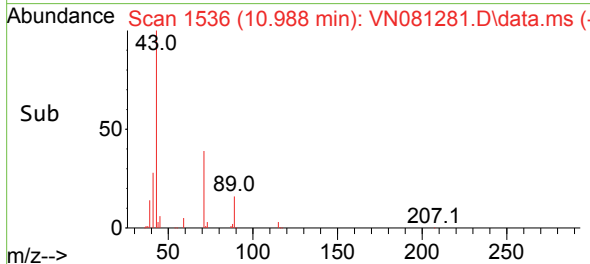
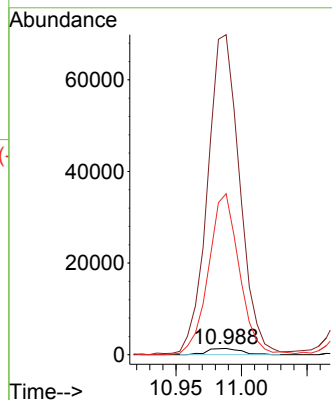
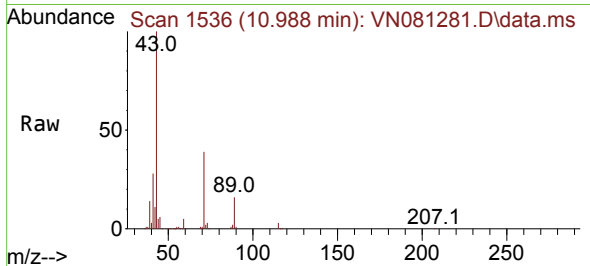




#56
Ethyl methacrylate
Concen: 0.399 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

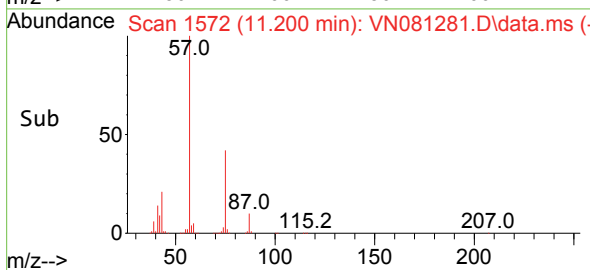
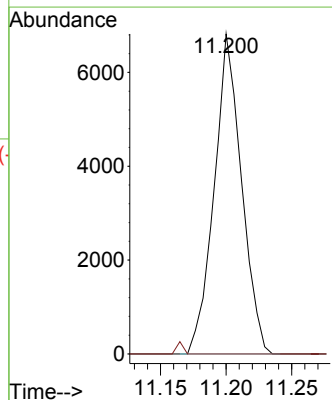
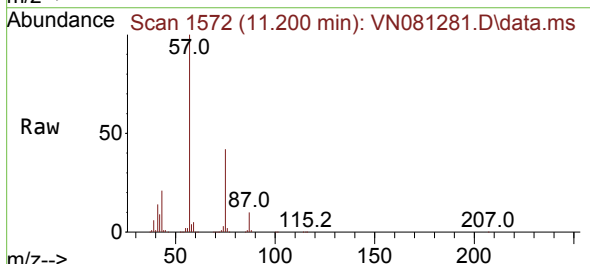
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

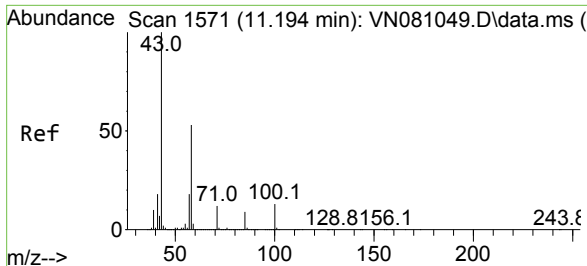
Tgt Ion: 69 Resp: 2447
Ion Ratio Lower Upper
69 100
41 4894.4 61.0 91.6#
39 2358.3 31.8 47.6#



#57
1,3-Dichloropropane
Concen: 1.422 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.035 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 76 Resp: 9881
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#

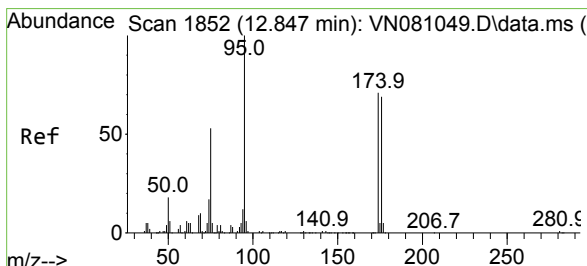
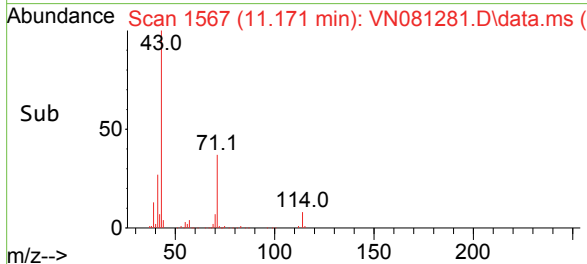
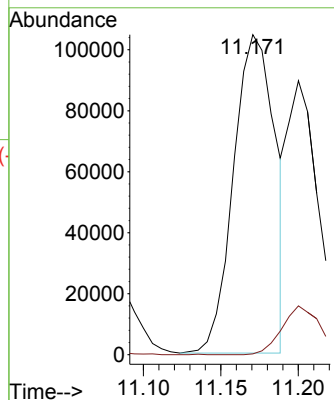
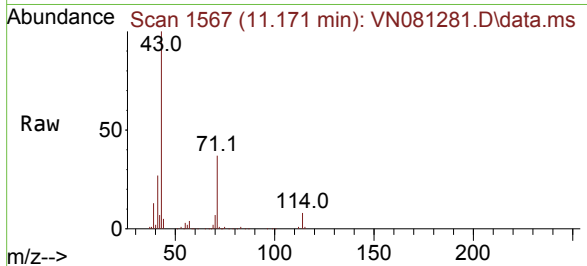




#59
2-Hexanone
Concen: 47.404 ug/l
RT: 11.171 min Scan# 111
Delta R.T. -0.024 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

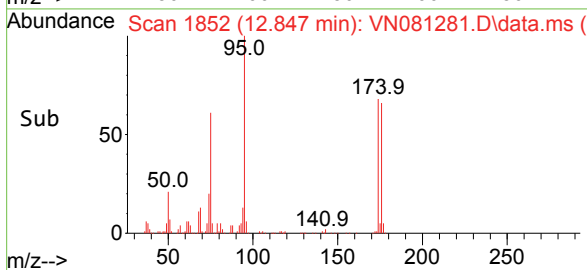
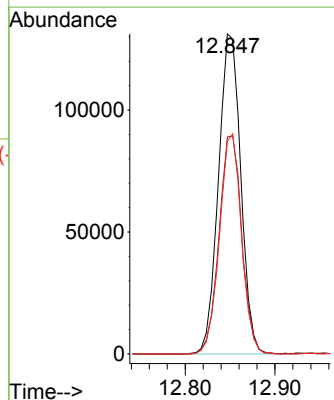
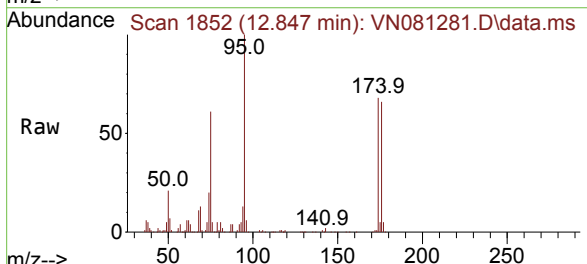
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

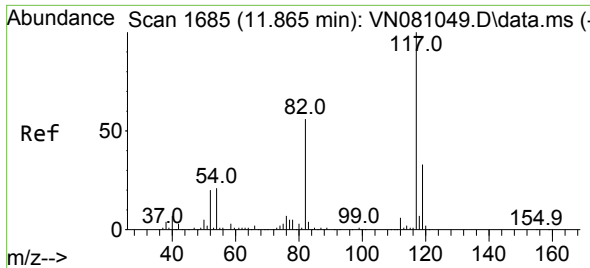
Tgt Ion: 43 Resp: 194527
Ion Ratio Lower Upper
43 100
58 0.0 25.9 77.8#



#62
4-Bromofluorobenzene
Concen: 51.083 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Tgt Ion: 95 Resp: 226843
Ion Ratio Lower Upper
95 100
174 69.6 0.0 120.4
176 67.3 0.0 121.0

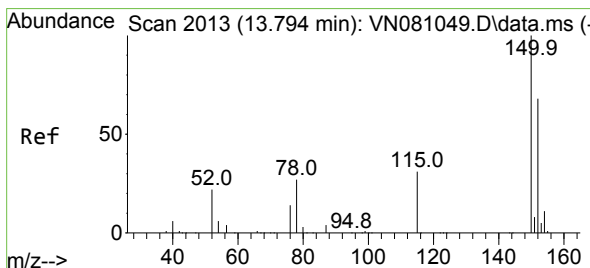
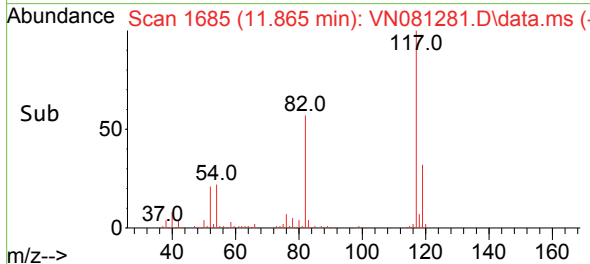
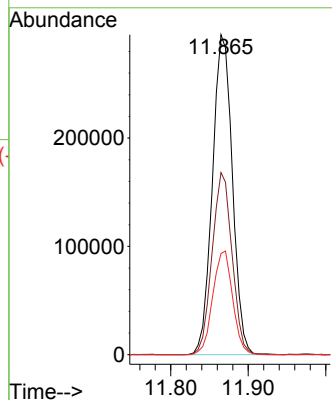
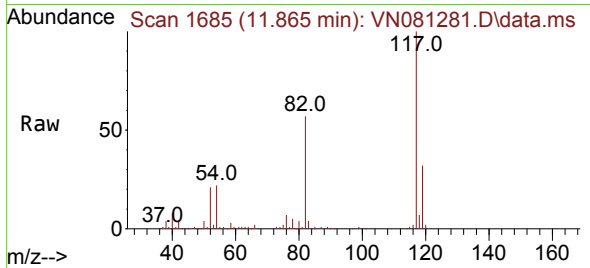




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

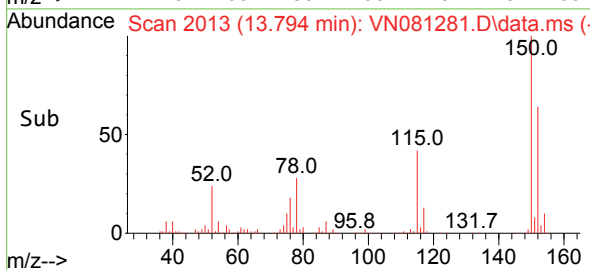
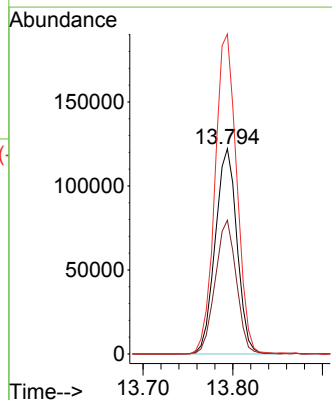
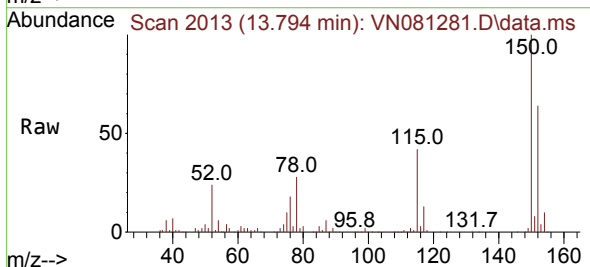
Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

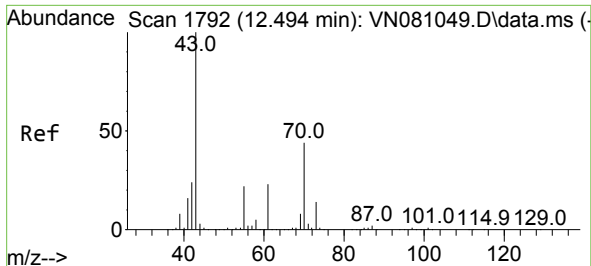
Tgt Ion:117 Resp: 529122
Ion Ratio Lower Upper
117 100
82 56.9 52.7 79.1
119 31.6 25.3 37.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

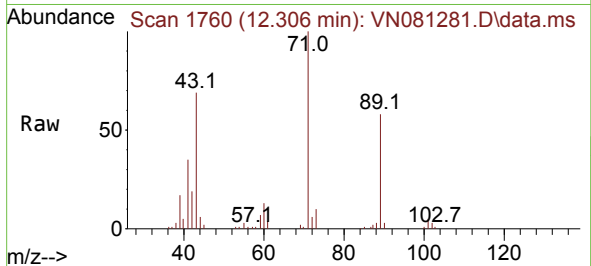
Tgt Ion:152 Resp: 205451
Ion Ratio Lower Upper
152 100
115 63.5 32.3 96.8
150 155.6 0.0 339.8



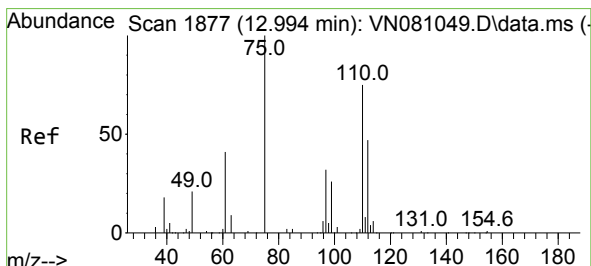
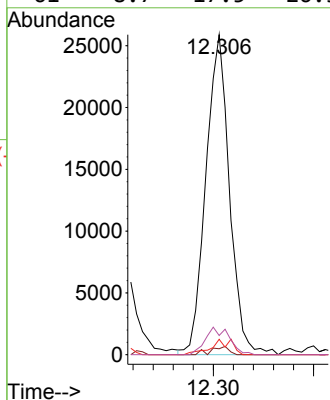
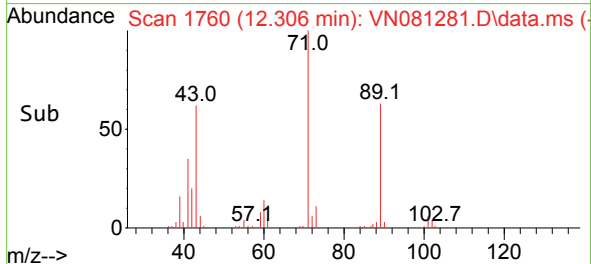


#74
N-amy1 acetate
Concen: 5.589 ug/l
RT: 12.306 min Scan# 11
Delta R.T. -0.188 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

Instrument :
MSVOA_N
ClientSampleId :
PB153949ZHE#03

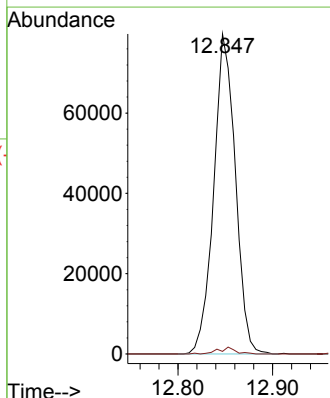
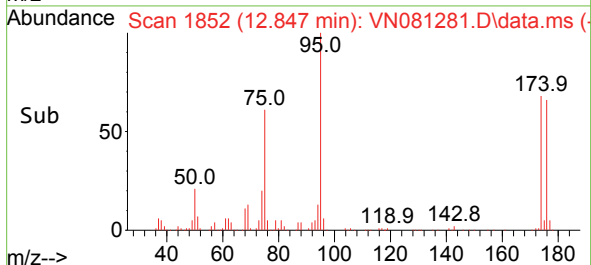
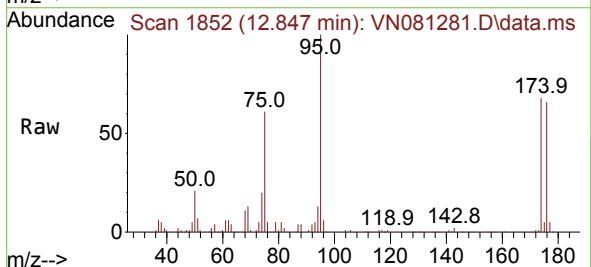


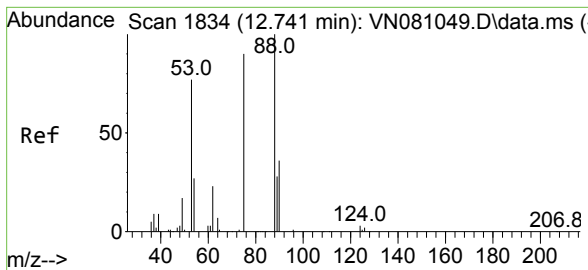
Tgt Ion:	43	Resp:	42459
Ion	Ratio	Lower	Upper
43	100		
70	1.9	30.1	45.1#
55	4.3	17.0	25.4#
61	8.7	17.5	26.3#



#76
1,2,3-Trichloropropane
Concen: 27.094 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN081281.D
Acq: 01 Mar 2024 13:32

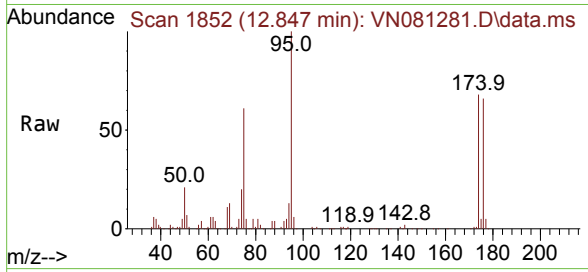
Tgt Ion:	75	Resp:	126476
Ion	Ratio	Lower	Upper
75	100		
77	1.7	91.0	272.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.739 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VN081281.D
 Acq: 01 Mar 2024 13:32

Instrument :
 MSVOA_N
 ClientSampleId :
 PB153949ZHE#03



Tgt Ion: 75 Resp: 126476
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.4 107.2#
 89 0.1 33.4 50.0#

